

EnergyWatch

 Attardi Marketing

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<http://www.attardimarketing.com/energywatch/>
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I never lost a game....I just ran out of time. Leo Durocher

I'd give my right arm to be ambidextrous. Yogi Berra

I found out that it's not good to talk about my troubles. Eighty percent of the people who hear them don't care and the other twenty percent are glad you're having them. Tommy Lasorda

Something to Think About...

Man in the Arena by Theodore Roosevelt, Our 26th President -

One of my all-time favorite quotes... I love it every time I read it and I read it often as it's hanging on my wall in my office. He frames his argument towards action perfectly by not only honoring "the triumph of high achievement" but bestowing nobility on failure, leaving the option of doing nothing to the weak and inept.



"It is not the critic who counts; not the man who points out how the strong man stumbles or where the doer of deeds could have done better. The credit belongs to the man who is actually in the arena, whose face is marred by dust and sweat and blood, who strives valiantly, who errs and comes up short again and again, because there is no effort without error or shortcoming, but who knows the great enthusiasms, the great devotions, who spends himself for a worthy cause; who, at the best, knows, in the end, the triumph of high achievement, and who, at the worst, if he fails, at least he fails while daring greatly, so that his place shall never be with those cold and timid souls who knew neither victory nor defeat." "Citizenship in a Republic," Speech at the Sorbonne, Paris, April 23, 1910

"...the man who really counts in the world is the doer, not the mere critic - the man who actually does the work, even if roughly and imperfectly, not the man who only talks or writes about how it ought to be done." (1891)

"Criticism is necessary and useful; it is often indispensable; but it can never take the place of action, or be even a poor substitute for it. The function of the mere critic is of very subordinate usefulness. It is the doer of deeds who actually counts in the battle for life, and not the man who looks on and says how the fight ought to be fought, without himself sharing the stress and the danger." (1894)

LED Issues to Watch...

- 1. *The Worldwide Market for LEDs: Market Analysis and Forecast 2014*** - The worldwide high-brightness LED market surpassed \$14 billion in 2013, with 10 companies accounting for more than 68% of the market. Lighting, which doubled revenues since 2012, now accounts for 30% of the market. Automotive has now recovered from the economic downturn, and Strategies Unlimited forecasts steady 8% growth through 2018. This report will delve further into the global market for LEDs. <http://www.strategies-u.com/articles/reports/the-worldwide-market-for-leds-market-analysis-and-forecast-2014.html>
- 2. *OLED Lighting Opportunities 2013-2023: Forecasts, Technologies, Players*** - Reportlinker.com announces that a new market research report is available in its [catalogue](#). The lighting industry is a large, global and yet fragmented market place. The fragmentation is driven both by technology differentiation and customer need diversity. The technologies vying for market share include incandescent lamp, compact fluorescent lamp (CFL), halogen lamp, light-emitting diodes (LEDs) and, most recently, organic light emitting diodes (OLED). Learn more via [PRNewswire](#).
- 3. *LED Lighting is So 2012: LG Bets on an OLED Lamp*** - Several companies offer smartphone-controlled LED light bulbs these days, but LG Electronics is trying to advance the state of lighting with another approach, too: an OLED table lamp. The Korean company, which already has a strong home-appliances business, unveiled its OLED Table Lamp on Monday at the Light+Building 2014 trade show in Frankfurt. Instead of using conventional light-emitting diodes (LEDs), its light source is the organic light-emitting diode (OLED) technology that can be formed into a sheet. Learn more via [CNET](#).
- 4. *Collaborative Approach Addresses Next Generation LED Lighting Design Challenges*** - Synergies between LED component and LED driver providers enable disruptive innovation. The accelerating transition to LED-based lighting is changing the dynamics of luminaire design. Traditional approaches in which components are evaluated separately to arrive at an optimal BOM are being replaced by more synergistic, system level thinking. Several trends are driving this evolution in system design, which is supported by greater collaboration between providers of LEDs and power electronics components. <http://www.ledjournal.com/main/blogs/collaborative-approach-addresses-next-generation-led-lighting-design-challenges/#more-9692>
- 5. *LED Lighting Fits Perfectly in Refrigerated Display Cases*** - Refrigerated display lighting (RDL) represents one of the more perfect applications for LEDs. Because fluorescent tubes can be replaced with LED strips and reduce energy usage by 60%, retailers are beginning to implement LED case lighting on a wider scale. Typically, a store can realize ROI after 2-3 years using LED-lit coolers. In addition, since LED fixtures give off little heat relative to a fluorescent tube, an additional energy break is realized on compressor cooling. <http://www.ledsmagazine.com/articles/print/volume-9/issue-10/features/led-lighting-fits-perfectly-in-refrigerated-display-cases-magazine.html>



6. **DOE Publishes CALiPER Report on Dimming, Flicker, and Power Quality Characteristics of LED PAR38 Lamps** - The U.S. Department of Energy's CALiPER program has released Report 20.2, which is part of a [series of investigations on LED PAR38 lamps](#). Report 20.2 focuses on dimming, flicker, and power quality characteristics evaluated with a single dimmer. The dimming, flicker, and power quality behavior of the LED PAR38 lamps evaluated in this study was less consistent than that of conventional halogen PAR38s. For a close look at the findings, download the [full report](#) from the DOE SSL website.

7. **DOE's Solid-State Lighting: Early Lessons Learned on the Way to Market** - The purpose of this report is to document early challenges and lessons learned in the SSL market development as part of the DOE's SSL Program efforts to continually evaluate market progress in this area. This report summarizes early actions taken by DOE and others to avoid potential problems anticipated based on lessons learned from the market introduction of compact fluorescent lamps and identifies issues, challenges, and new lessons that have been learned in the early stages of the SSL market introduction. http://apps1.eere.energy.gov/buildings/publications/pdfs/ssl/ssl_lessons-learned_2014.pdf

8. **DOE Publishes CALiPER Application Summary Report on LED T8 Lamps** - It focuses on the bare-lamp performance of 31 linear LED lamps intended as an alternative to T8 fluorescent lamps. Compared to previous CALiPER testing, the LED lamps showed notable performance gains, with the efficacy of many products equivalent to or exceeding that of fluorescent lamps (with ballast). Likewise, some of the LED lamps had similar color quality and power quality to their fluorescent counterparts. But none of the LED products matched the luminous intensity distribution of the lamps they were intended to replace, and only a handful provided comparable lumen output. Download the [full report](#) from the DOE SSL website.

9. **Your Lights May Be Watching You** - There are new LED lights greeting passengers at Newark Liberty International Airport's Terminal B but they do more than illuminate; they also are part of a security system that is watching you before you even get to the security checkpoint. The lights are fitted with computer chips, cameras, sensors and wi-fi antennas. They collect data that can help detect suspicious activity or aid in police investigations. Installed by FSG, Perth Amboy, NJ, the sensors in the lights were designed by Sensity Systems. Currently, the lights are only near the ticketing counters of the one terminal but the Port Authority of New York and New Jersey, which operates the airport, is considering expanding the pilot program to other terminals. <http://www.myfoxny.com/story/24757880/newark-airport-terminal-lights-tied-to-security-system>

10. **Great, Now Even Light Bulbs Are Spying on You** - Philips's new lighting system can talk (and beam ads) to you at the grocery store. Here is Philips's vision for the future of the grocery store. You enter the store. You take out your phone, and open up the Philips app. You're presented with a map of the store, along with your precise location in it. Maybe you type in that you want to cook a specific dish that night, and the Philips app gives you specific directions around the store to get the ingredients you need. As you're doing that, ads from the grocery store will appear on your phone--buy one get one free of this, half off that. Philips is demonstrating this very setup in a retailer in Dusseldorf, right now. <http://www.fastcodesign.com/3026782/great-now-even-light-bulbs-are-spying-on-you>



11. Cree Announces SmartCast Lighting Control Solution - Cree, Inc. recently introduced SmartCast™ Technology, a self-programming wireless lighting-control system that reduces energy consumption by more than 70% (compared to traditional fluorescent luminaires without SmartCast Technology), at half the cost of traditional lighting controls. Intuitive and easy to use, luminaires enabled with Cree SmartCast Technology remove the initial and ongoing complexity associated with lighting controls, allowing customers to realize the full savings potential of lighting controls with benefits they've never had before. <http://www.cree.com/smartcast>



12. Lunera Lighting Gains Funding, Launches LED Lamps for CFL and MH Sockets - Lunera Lighting has announced new debt financing of \$5 million from Opus Bank as the solid-state lighting (SSL) company attempts to make the transition from a startup to an established player in the lighting market. The company has simultaneously announced a new retrofit-lamp technology that it calls BallastLED, which is focused on producing lamps that can work on a plug-and-play basis in fixtures with installed ballasts for CFL and metal-halide (MH) lamps. www.lunera.com

13. Walmart and GE Transforming Retail Lighting with Energy-Efficient LEDs Globally - Walmart announced plans today to purchase energy-efficient LED ceiling lighting fixtures for new supercenters in the USA, stores in Asia and Latin America, and in the United Kingdom. The new fixtures will use 40 percent less energy than lighting sources historically used in stores, and will help further the retailer's goal to reduce the kilowatt hour (kWh) per square foot of energy required to power Walmart's buildings globally 20 percent by 2020. This is Walmart's largest purchase of GE LED lighting to date, and the most recent example of leadership from Walmart and GE to find and scale innovative, energy-efficient lighting solutions. 4/09 [BUSINESS WIRE](#)

14. Former IKEA Execs Look to "Revolutionize" LED Light Bulbs - Some former IKEA executives have gone on to work in the LED industry. Forming EcoLights, also in Sweden, they are aiming to advance "a revolutionary new range of LED lamps that look surprisingly identical to traditional bulbs." And not just similar—these light bulbs look nearly identical to incandescents. Learn more via [CleanTechnica](#)

15. LG Innotek Debuts Technology for its 167 lm/W LED - The company claims that its proprietary vertical chip technology achieves up to 167lm/W, 30% greater lumen efficacy than the company's other high power LEDs. The high power LEDs are ideal for outdoor/indoor applications such as street lights and commercial high bay lighting. The LED has an LM-80 of more than 54,000 hours. <http://www.sslighting.net>

16. RGB LEDs and Color Sensor Provide Consistent Aircraft Cabin Lighting - Indeed, solid-state lighting (SSL) technology has opened up new dimensions of technological options and creativity. Schott has announced that it has worked with Lufthansa Technik to develop next-generation aircraft-cabin lighting based on red, green, blue, and white (RGBW) LEDs, a light guide to uniformly distribute the light, and MAZeT color sensors to ensure that all LED modules deliver consistent color performance. There are a number of potential benefits for color lighting in applications such as aircraft cabins ranging from simply improved aesthetics to better wellbeing for passengers. <http://www.ledsmagazine.com>



- 17. Lutron and Siemens Announce Joint Energy Efficiency Initiative for Commercial Buildings** - The [Lutron Quantum® Total Light Management System](#), which controls lights, shades and small appliances, and the Siemens APOGEE® Building Automation System, which allows multiple building systems to work together regardless of their architecture, can be easily integrated together via [BACnet](#). Having these two powerful systems sharing information not only helps make a building more energy efficient, but also can help improve maintenance efficiencies, allowing facility managers and building owners to better evaluate the energy usage within their buildings. <http://lightingcontrolsassociation.org/>
- 18. Philips Expands Hue LED Lamp Family** - Philips Lighting has announced a significant expansion of the Hue wireless-enabled LED lamp family at the Light+Building (L+B) trade fair. The new Hue Lux dimmable, white LED lamps will offer a lower cost alternative to the color-tunable products that Philips has previously introduced. Moreover, the company will deliver a new simplified tabletop control unit called Hue Tap. The new products won't ship until the fall, but at that point will offer some relief from the one complaint we hear about the Hue system -- high prices. <http://www.ledsmagazine.com>
- 19. Philips Joins Osram to Lure Cities with LED Innovations** - The lighting business used to be pretty straightforward: customers bought their light bulbs and a year or so later replaced them. LEDs -- smaller, more energy efficient and with lifespans of more than 20 years -- are forcing market leaders **Royal Philips NV (PHIA)** and **Osram Licht AG (OSR)** to adapt. The companies now seek long-term contracts to install complex lighting systems for whole cities from Washington D.C. to Amsterdam and equip buildings. <http://www.bloomberg.com/news/2014-04-09/philips-joins-osram-to-lure-cities-with-led-innovations.html?cmpid=yhoo>
- 20. Philips Joins Osram to Lure Cities with LED Innovations** - The lighting business used to be pretty straightforward: customers bought their light bulbs and a year or so later replaced them. LEDs -- smaller, more energy efficient and with lifespans of more than 20 years -- are forcing market leaders **Royal Philips NV (PHIA)** and **Osram Licht AG (OSR)** to adapt. The companies now seek long-term contracts to install complex lighting systems for whole cities from Washington D.C. to Amsterdam and equip buildings. <http://www.bloomberg.com/news/2014-04-09/philips-joins-osram-to-lure-cities-with-led-innovations.html?cmpid=yhoo>
- 21. BMW Unveils OLED Lighting Systems That Could Change Power Usage** - BMW is working on new technologies for front and rear lights on its cars, with OLED tech looked at for exterior lights designed to be seen. While not light enough to provide beam lamps for visibility, OLED panels could, in conjunction with conventional LED lights, be used for the rear (tail) lights, for example. They don't consume much power, generate very little heat and are wafer-thin so could be fitted to make spectacular patterns, changing the look of a BMW car significantly. Or, at least, its rear lights. Learn more via [Pocket-lint](#)
- 22. Light Duty Trucks Get Tough LED Headlamps** - Ford has announced that the light-duty F-150 truck line will now have LED headlamps that are designed to last longer than headlamps based on legacy sources while also delivering superior reliability. Osram and automotive OEM Flex-N-Gate worked with Ford developing the headlamp unit that the three companies assert will deliver superior lighting on the road while using less energy. <http://www.ledsmagazine.com>



National Energy Issues to Watch...

23. Jim Lucy Announces the Inaugural Issue of EW Update - *Electrical Wholesaling's* editors are excited to bring you *EW Update*, our new weekly email newsletter. It will help you start each week with a quick read on Monday morning about what's happening in the electrical market. Each issue of *EW Update* will be loaded with industry news, leads on new construction projects, interesting new products, job openings and weekly sales tips from industry sales veteran Sean Leahy, author of the popular *Sales Shot* and other *EW* authors. www.news.ewweb.com



24. Tighter Light Bulb Standards Coming from Energy Dept. - The Energy Department plans to strengthen its energy-efficiency standards for certain types of light bulbs by up to 12.9 percent over current levels. The proposed standards, announced in a notice published on its website April 11, could cost companies and consumers \$100 million or more to develop and purchase higher-efficiency bulbs. The proposal affects general service fluorescent lamps (GSFLs), which includes fluorescent tube lamps that are commonly found in office buildings, and incandescent reflector lamps (IRLs), commonly used in recessed and track lighting. <http://www.bloomberg.com/news/2014-04-15/tighter-lightbulb-standards-coming-from-energy-dept.html>

25. Lighting Demand to Increase - U.S. demand for advanced lighting is forecast to increase 9.3 percent per annum through 2015 to more than \$11 billion. A government-mandated phaseout of traditional incandescent lamps and a projected improvement in the cost effectiveness of advanced lighting will drive gains. Learn more via [Electrical Product News HEADLINES!](#)

26. Demand for T5 and T12 Lamps Increases during Fourth Quarter - T5 and T12 lamp shipments improved by 9.9 percent and 9.4 percent, respectively, on a quarterly basis (q/q) during 2013Q4. Shipments of T8 lamps contracted 2.1 percent q/q. Nevertheless, calendar year (CY) 2013 showed the index advancing 9.4 percent on an annual basis. The index for T5 lamps also registered a gain during CY2013, besting CY 2012 by 9 percent. In contrast, T12 lamps posted an annual decline of 25.6 percent for CY2013. Market shares for the three linear fluorescent lamp types showed mixed results during the quarter. T8 lamps yielded 2.3 percent posting a share of 70.6 percent. T5 and T12 lamps posted gains during the quarter, securing market shares of 11.7 and 17.7 percent, respectively. <http://www.nema.org/news/Pages/Demand-for-T5-and-T12-Lamps-Increases-During-Fourth-Quarter.aspx>

27. HID Lamp Indexes Continue to Slide During Fourth Quarter - NEMA's shipment indexes for HID lamps continued to decline during 2013Q4. Shipments of sodium vapor lamps fell 5.7 percent (32.3% market share) on a seasonally adjusted basis compared to the previous quarter. Metal halide lamps (63.7% market share) contracted for the seventh consecutive quarter declining 3.6 percent on a quarterly basis. Following suit, the index for mercury vapor lamps (4.0% market share) dipped 5.6 percent. Calendar year 2013 showed decreases of 6.1 percent and 7.0 percent for sodium vapor and metal halide lamps, respectively. www.nema.org

28. IES Publishes LEM-7 Guide to Energy-Saving Lighting Controls - The Illuminating Engineering Society, in partnership with the Lighting Controls Association, has published LEM-7, Lighting Controls for Energy Management, a detailed guide to energy-saving lighting controls. The publication was written by Craig DiLouie, LC in support of the IES Energy Management Committee. <http://www.ies.org/store/product/lighting-controls-for-energy-management-1303.cfm>



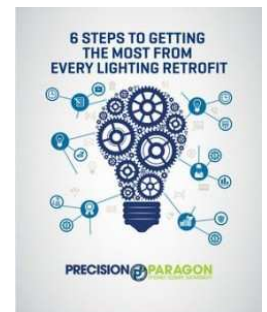
- 29. NEMA Publishes LSD 14 Guidelines on Application of Dimming to HID Lamps** - NEMA has published LSD 14 Guidelines on the Application of Dimming to High-Intensity Discharge Lamps. This white paper, last published in 2002, was produced by NEMA's Lamp Section. LSD 14 provides guidance on the application, combination and practice of dimming of high-intensity discharge (HID) lighting systems. Learn more via [Electrical Product News HEADLINES!](#).
- 30. NEMA Commends Senate Finance Committee's Two-Year Extension of 179D Tax Deduction** - The provision allows a taxpayer to take a deduction equal to commercial building energy-efficiency expenditures made by the taxpayer as part of the building's interior lighting systems, heating, cooling, ventilation, and hot water systems, or building envelope. Certification must be obtained to verify that the retrofits are installed as part of a plan to reduce energy costs by 50 percent or more in comparison to a specified minimum standard. The Commercial Building Tax Deduction was enacted into law as a provision of the *Energy Policy Act of 2005*. <http://www.nema.org>
- 31. NEMA Commends Senate Finance Committee's Two-Year Extension of 179D Tax Deduction** - The provision allows a taxpayer to take a deduction equal to commercial building energy-efficiency expenditures made by the taxpayer as part of the building's interior lighting systems, heating, cooling, ventilation, and hot water systems, or building envelope. Certification must be obtained to verify that the retrofits are installed as part of a plan to reduce energy costs by 50 percent or more in comparison to a specified minimum standard. The Commercial Building Tax Deduction was enacted into law as a provision of the *Energy Policy Act of 2005*. <http://www.nema.org>
- 32. NEMA Publishes White Paper NEMA LSD 70-2014: A Comparison of High Performance Luminaire Programs in the US Market** - The goal of this paper is to assist luminaire purchasers and specifiers in clearly stating their requirements and reducing confusion surrounding some of the most popular high-performance programs and their overlaps, or lack thereof. The table provided in the paper illustrates the luminaire types covered by ENERGY STAR® Luminaires, DesignLights Consortium® (DLC), and Federal Energy Management Program guidelines, and notes where overlaps occur. [NEMA LSD 70-2014](#) may be downloaded at no cost.
- 33. NEMA Publishes White Paper NEMA LSD 40-2014 Failure Modes for Self-Ballasted Compact Fluorescent Lamps** - This new edition updates the document to reflect current industry practices regarding end of useful life issues for self-ballasted compact fluorescent lamps (SBCFL). The white paper responds to potential consumer concerns and communicates the actions that the industry has taken to minimize objectionable failure modes that resulted in these complaints. Specifically, the white paper addresses why SBCFL products have different failure modes from incandescent lamps and explains what the industry, standards development organizations, and third party safety agencies that establish SBCFL safety requirements have done and are doing to minimize any potential safety risk from SBCFL products. [NEMA LSD 40-2014](#) may be downloaded at no cost.
- 34. NEMA Publishes ANSI C136.12-2014 American National Standard for Roadway and Area Lighting Equipment—Mercury Lamps—Guide for Selection** - This standard covers the selection of mercury vapor lamps recommended for use in roadway and area lighting equipment. [ANSI C136.12-2014](#) may be purchased in electronic or hardcopy format for \$37 on the NEMA website. www.nema.org



- 35. Energy Efficiency Retrofits for Commercial and Public Buildings** - On a global scale, buildings (both residential and commercial) account for 35% to 40% of total final energy consumption. Navigant Research forecasts that global revenue for energy efficiency commercial building retrofits will grow from \$68.2 billion in 2014 to \$127.5 billion in 2023. This Navigant Research report, [“Energy Efficiency Retrofits for Commercial and Public Buildings,”](http://www.navigantresearch.com/research/energy-efficiency-retrofits-for-commercial-and-public-buildings) examines the global market opportunity for energy efficiency retrofits in eight different commercial and public building types. The report analyzes the key market and technology issues related to energy efficiency retrofits. <http://www.navigantresearch.com/research/energy-efficiency-retrofits-for-commercial-and-public-buildings>
- 36. Challenges Confronting LED Light Bar Manufacturers - 2014 Global Strategic Business Report** - LED light bars are used as light sources in backlight units which illuminate LCD panels. LCD panels do not emit light on their own but need a source for illumination that is provided by backlights, powered either by LED or CCFL or LCD light sources. LED technology, with its numerous benefits, foremost among them being higher brightness and lower power consumption, is taking over as the key light bar technology for backlighting large area displays including televisions, notebook PCs and monitors, among others. The report profiles 20 companies including many key and niche players. http://www.researchandmarkets.com/publication/m3y4rf2/led_light_bars_global_strategic_business_re
- 37. Americans' Energy Use Edged Up by 2.4% in 2013, Energy Department Reports** - The latest analysis found that the majority of energy used in 2013 went toward electricity generation, followed by transportation, industrial, residential, and commercial energy. That is "right on trend with the previous year's sector-by-sector energy use breakdown," DOE said. Petroleum was the main energy source (35.1 percent), followed by natural gas (26.6 percent) and coal (18.0 percent). Wind energy, the source of 1.6 percent of U.S. energy, continued to grow. DOE posted U.S. energy usage in 2013: https://flowcharts.llnl.gov/content/energy/energy_archive/energy_flow_2013/2013USEnergy.png
- 38. Certified Energy Manager (CEM) Training Course** - NJAEE is presenting a five day comprehensive CEM Training Course from Jun 23 -27 at the Rutgers Energy Innovation Center, 1200 Florence Columbia Rd, Bordontown , NJ08505. The seminar includes: all course materials, four days of training and one day proctoring of the exam, breakfast and lunch. The cost is \$1850. The cut off day for registration is Jun 2. The CEM certification has become an important requirement for many projects. <https://njaee.org/meet-reg2.php>
- 39. Energy Efficiency Retrofits for Commercial and Public Buildings** - On a global scale, buildings (both residential and commercial) account for 35% to 40% of total final energy consumption. Navigant Research forecasts that global revenue for energy efficiency commercial building retrofits will grow from \$68.2 billion in 2014 to \$127.5 billion in 2023. This Navigant Research report, [“Energy Efficiency Retrofits for Commercial and Public Buildings,”](http://www.navigantresearch.com/research/energy-efficiency-retrofits-for-commercial-and-public-buildings) examines the global market opportunity for energy efficiency retrofits in eight different commercial and public building types. The report analyzes the key market and technology issues related to energy efficiency retrofits. <http://www.navigantresearch.com/research/energy-efficiency-retrofits-for-commercial-and-public-buildings>
- 40. BlackLight Power Says It Has Developed a New Energy Source** - BlackLight Power Inc., Cranbury, N.J., says it has achieved sustained electricity production from a primary new energy source by using photovoltaic technology to transform brilliant plasma, with power comprising millions of watts of light, directly into electricity. <http://ewweb.com>



- 41. *Will a Trapped Putin Open the Clean Energy Box?*** - The Russian president's strategy is delivering exactly what he wanted: higher energy prices. Putin needs puppet states around his borders in order to restore Russia to its former glory. That's why economic sanctions won't deter him. Nevertheless, I still think the real game here is more about energy and money. What Putin really fears is a world that no longer needs Russian oil and natural gas. We could have such a world in the next five years. U.S. and Canadian energy companies are extracting huge quantities of fuel from shale deposits and oil sands. North America is on track to be energy independent — and possibly a net exporter — within just a few years. If Congress and Obama would simply let U.S. companies export natural gas, Europe wouldn't have to depend on Putin. <http://www.moneynews.com>
- 42. *EPA Honors 2014 ENERGY STAR Partners of the Year*** - The EPA and the U.S. DOE are honoring 127 organizations for their commitment to protecting the environment through superior energy efficiency. The winners were selected from 16,000 ENERGY STAR partners, including manufacturers, retailers, public schools, hospitals, real estate companies and home builders, for their dedication to protecting the environment through greater energy efficiency. See the complete list at: <http://www.edcmag.com/articles/95551-epa-honors-2014-energy-star-partners-of-the-year>
- 43. *Three Billion Square Feet of Green Building Space LEED®-Certified*** - The U.S. Green Building Council (USGBC) announced that 3 billion square feet of green construction space has earned LEED® certification around the globe. Green construction has grown massively over a short period of time: McGraw-Hill estimates that it will comprise half of U.S. construction and be worth up to \$248 billion by 2016. LEED is the most widely recognized and used green building program across the globe, with more than 1.7 million square feet of commercial building space LEED certifying each day in more than 140 countries and territories. In the U.S. alone, buildings account for 41 percent of energy use, 73 percent of electricity consumption and 38 percent of all CO2 emissions. Posted on [April 8, 2014](#) by [EnergyWatchNews](#)
- 44. *Precision-Paragon Publishes Retrofit Guide*** - Lighting manufacturer Precision-Paragon [P2] has published a guide to help building owners and lighting professionals identify and maximize potential sources of energy savings. The 21-page publication, “6 Steps to Getting the Most From Every Lighting Retrofit,” is available for free as a downloadable e-book on the lighting manufacturer’s website: <http://www.p-2.com/6-steps/index.html>
- 45. *OSHA to Update Standards Covering Electric-Power Generation and Distribution*** - The last time OSHA issued regulations for the construction of transmission and distribution installations, gasoline was 55 cents a gallon and “Deep Throat” was the talk of Washington and Hollywood. Earlier this week, the agency announced that it plans to update the construction and general-industry standards for workers performing electric-power generation, transmission and distribution work. OSHA issued the standards in 1972. Learn more via [EHS Today](#)
- 46. *Bill Attardi Launches energywatchnews.com*** - After 20 years of distributing his EnergyWatchBlog to an audience encompassing thousands, longtime electrical industry insider Bill Attardi has launched a new website, www.EnergyWatchNews.com Post on Electrical Wholesaling: <http://ewweb.com/lighting/bill-attardi-launches-energywatchnews.com>



State Energy Issues to Watch...

- 47. EPA Top Cities Announced** - Commercial buildings in the United States account for roughly 20% of the nation's energy use and greenhouse gas emissions, which costs more than \$100 billion annually. This is where M2M comes into play. Connected buildings can closely monitor and ultimately reduce this energy consumption. Learn more via [Connected World magazine](#)
- 48. Con Edison, NY Customers Made 2013 a Banner Year for Energy Efficiency** - The more than 45,700 customers who made upgrades to save electricity and the nearly 2,000 customers who made gas upgrades received \$45.94 million in incentives. The company's Green Team paid those incentives for new energy-efficient lighting, heating and cooling systems, building controls and other energy-saving measures. To learn more: <http://www.coned.com/greenteam> or call 1-877-870-6118
- 49. EPA Gives Atlanta High Marks for Energy-Efficiency** - Among the 25 largest metropolitan areas in the U.S., Atlanta ranked third on the list of most "Energy Star"-designated buildings last year, the EPA said. Atlanta ranked fifth on the list in 2012, third in 2011, sixth in 2010, and ninth both in 2009 and 2008. The two cities with more "Energy Star" buildings than Atlanta are No. 1 Los Angeles (443) and No. 2 Washington D.C. (435). <http://www.energystar.gov/buildings/topcities>
- 50. Net-Zero Building Saves More Than Energy for Leon County** - The Leon County, Fla., Extension Center, which houses a group of year-round landscape and vegetable gardens, has added a new mission: to teach sound environmental principles as well as good horticultural practices. To do that, the Extension Center retrofitted a 50-year old building to achieve net-zero energy use and to capture and re-use rainwater for irrigation. Learn more via Facilitiesnet.com
- 51. California's New Building Code: A Grid-Smart Thermostat in Every Facility** - Are building codes the secret to connecting the smart consumer with the smart grid? California will test that proposition this summer, when it starts requiring every new or retrofit thermostat, HVAC system, networked lighting controller and building automation system in the state to come ready for two-way, automated utility-to-customer energy management. Learn more via [Greentech Media](#).
- 52. San Francisco Selects Lumewave for Wireless Streetlight Control System Pilot Project** - Sacramento, CA based Lumewave, Inc. a wireless lighting control system company, was selected late last year by the San Francisco Public Utility Commission (SFPUC) to install its system in 2 areas of San Francisco to demonstrate the installation, commissioning, functionality, ease of use and maintenance. The system has been installed, fully operational and managed by the SFPUC since November 19, 2013. A public presentation of the Lumewave system is scheduled for February 6, 2014 at 6:30PM on Washington Street in the Presidio Heights section of San Francisco. See KTVU story that ran in San Francisco: <http://www.ktvu.com/videos/news/san-francisco-smart-street-lights/vCNpJN/>
- 53. LED Street Lights Transform California City's Streets, Cut Energy Use by 65 Percent** - Inspired by the successful Los Angeles street lighting upgrade, where many of the city's 140,000 high-pressure sodium (HPS) street lights were converted to Cree® LED luminaires, San Luis Obispo, California selected Cree, Inc. CREE -0.73% to help improve the city's sustainability efforts. <http://www.marketwatch.com>



Monthly Special Feature...

Energy Saving Choices - <http://lumennow.org/energy-saving-choices/>

Lighting accounts for approximately 12% of the average household's energy bill and energy-efficient options help you save money. Families can save between \$50 and more than \$100 a year by just changing their bulbs. Plus, there are more than 4 billion screw-based sockets in the U.S., which means you can save more than \$10 billion per year. Traditional incandescents waste energy and money by using 90% of electricity to produce heat instead of light. Yet, with numerous energy-efficient bulb options, you can make smart lighting choices. There are three main types of energy-efficient bulbs: Halogen incandescents, CFLs and LEDs.

Halogen Incandescents:

These look like traditional incandescent bulbs, but use 25% to 30% less energy on average and can last up to three times longer than the older versions. A more efficient halogen incandescent for about \$1.50 each saves you about \$3 per bulb over its lifetime.

[Click here to learn more about halogen incandescents](#)



Compact Fluorescent Lamps (CFLs):

CFLs represent the best value for consumers today. They use about 75% less energy than standard incandescent bulbs and last up to 10 times longer. If you buy a CFL in a multi-pack for \$2.00 or less – you can save up to \$50 over the bulb's lifetime..

[Click here to learn more about CFLs](#)



Light-Emitting Diodes (LEDs):

LEDs are another option that have the potential to last up to 22 years and save 75% or more in energy costs; however, currently, their upfront cost is steeper than other alternatives. LEDs will save you tons of money over their long 25-year lifetime, especially when the volume of sales go up and the initial purchase price decreases.

[Click here to learn more about LEDs](#)



OSRAM SYLVANIA created a chart that shows what bulbs you need to replace and when, as well as the many replacement options that are available to you today. To see the chart:

<http://assets.sylvania.com/assets/Documents/CONS-LEGIS-2010.4f30843d-1e56-4791-a827-8fd269771f3c.pdf>

